U.S. Department of the Interior

U.S. Geological Survey

UNIT **FLORIDA GEORGIA SOUTH CAROLINA ALABAMA MAPPED GULF COAST SYSTEM SERIES** Northern Southern **STAGE** IN THIS **Panhandle** peninsula peninsula **REPORT** West East Southwest Southeast | Southwest Northeast **Downdip** Updip Undifferentiated Undifferentiated Undifferentiated Undifferentiated Post-glacial Holocene deposits deposits deposits deposits Undifferentiated Undifferentiated Terrace terrace sand, shell, deposits Postand Wisconsin Terrace Terrace Pleistoand clay Miocene shallow deposits deposits deposits Terrace cene rocks marine Nebraskan deposits deposits Waccamaw Formation Miccosukee Citronelle Formation Goose Formation Citronelle Pliocene Foleyan Undifferentiated and Miccosukee Tamiami Cypress-Raysor Raysor Formation equivalents Formation Formation head Forma-Jackson Bluff Formation and clay Bone Valley Formation tion Limestone Formation Member └₇Coosawhatchie Fm Statenville Peace River Clovellian Alum Undifferentiated Formation Ducklakian Fm Bluff Hawthorn Group deposits Napoleonvillian Marks Head Fm Ebenezer Ebenezer Staten-Group Torreya Penney Group Rocks of whatchie Member Arcadia Miocene Miocene Coosawhatchie Coosawhatchie Farms Fm Formation Formation Formation age Torreya St. Marks Chattahoochee Tampa Marks Head Marks Head Anachuacian Formation Catahoula Sandstone Formation Formation Member Formation Formation (restricted) Parachuchla Fm Chatta-Para-Lower part of Parachuchla **Nocatee** chuchla noochee Tiger Leap Membe Formation Arcadia Fm Member Paynes Hammock Ashley **Drayton Limestone** Suwannee Suwannee Chickasawhay Chickasawhay Fm Member Suwannee Limeston Chckasawhayan Limestone Limestone Formation (restricted) (restricted) Bridgeboro Suwannee Suwannee Bridgeboro Limestone Limestone Limestone Limestone Bucatunna Clay Bucatunna 트 Clay Member Member Rocks of Vicksburg Group Oligocene Oligocene Byram Unnamed marl Glendon age Formation₁ Member Limestone Glendon Vicksburgian Limestone Marianna Member Ochlock Formation Mint Spring Member Marianna Marianna Formation Formation Forest Hill Red Bluff Formation Sommation Formation **Bumpnose** Cooper Parkers Ferry
Tobacco (part) Member Shubuta Tobacco Member Road Road B Harleyville Sand Puchuta Mar Sand Member Member Member Irwinton Rocks of Dry Branch Sand Cocoa Sand late Ocala Ocala Ocala Member Member Jacksonian Member Limestone Eocene Limestone Limestone (updip) Twiggs age North Twistwood Clay Creek Clay Member Member Moody's Branch Clinchfield Formation Sand McBean McBean Eocene Gosport Formation Formation Cross Sand Santee Limestone Member Rocks of Santee Lime-Avon Avon Avon middle Libson Libson Libson Park Warley Park Claibornian Park Eocene Formation² Formation² Formation² The stone Formation **Formation Formation** Marl_\ age [|] Moultrie Member Huber **Tallahatta Tallahatta** Tallahatta (?) Congaree Formation² Formation² Formation² Formation Formation Rocks of Hatchetigbee Undifferentiated early Formation ≶Bashi Oldsmar Hatchetigbee lower Eocene Eocene > Member Formation Formation rocks age Fishburne Formation Black Mingo Group Bells Landing Oldsmar Oldsmar Marl Member Formation Formation Tuscahoma Tuscahoma Formation Sabinian Formation **Greggs Landing** Undifferentiated Marl Member Paleocene Baker Hill Fm rocks \leq **Grampian Hills** Williamsburg Formation Member Nanafalia "Ostrea thirsae" beds Z Formation **Gravel Creek** Sand Member Salt Mountain Salt Mountain Limestone³ Limestone³ Coal Bluff Rocks of Lang Syne Formation . _ _ _ _ _ Naheola Formation Cedar Marl Paleocene Paleocene Keys Member age Cedar Cedar Formation Oak Hill Keys Keys Member Formation Formation Landing Landing Marl Membert Matthews Porters Midwayan Creek Porters Creek Formation **Rhems Formation** Formation Undifferentiated Paleocene McBryde Clayton rocks Limestone Clayton Formation Member Formation Pine Barren Member Providence Prairie Bluff **Providence Sand** Chalk Sand Rocks of Rocks of Lawson Peedee Formation/ Lawson Lawson Ripley Navarro Navarroan **Ripley Formation** Navarro Limestone Limestone Steel Creek Formation Limestone⁴ Formation age age Cusseta Sand Cusseta Sand Gulfian Demopolis Member Member Chalk Rocks of Rocks of Rocks of Rocks of Blufftown Tayloran Rocks of Taylor age **Black Creek** Taylor age Taylor age Taylor age Arcola Limestone Formation Taylor age Group Member of (part) Mooreville Chalk Any use of trade, firm, or product names is for descriptive purposes only ¹Previously included in Tampa Limestone. **EXPLANATION** and does not imply endorsement by the U.S. Government. ²Clastic unit now included in Lower Floridan aguifer. ³Local, mostly subsurface. Mostly carbonate rocks of Floridan aquifer system Digital files available at http://pubs.usgs.gov/pp/1807/. ⁴Very locally part of Floridan aquifer system. Suggested citation: Williams, L.J., and Kuniansky, E.L., 2015, Revised

Generalized Correlation Chart Showing the Time-Stratigraphic, Rock-Stratigraphic, and Regional Hydrogeologic Units in the Floridan Aquifer System

that are also included in Floridan aquifer system

Fm Formation

Mostly clastic rocks of Southeastern Coastal Plain aquifer system

hydrogeologic framework of the Floridan aquifer system in Florida and in

parts of Georgia, Alabama, and South Carolina: U.S. Geological Survey Professional Paper 1807, 140 p., 23 pls., http://dx.doi.org/10.3133/pp1807.

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